

LISTING OF THE CLAIMS

This listing of claims will replace all prior versions, and listings, of claims in the application:

Claims 1-10 (Cancelled)

Claim 11 (Currently Amended) A wheel comprising a hub, a peripheral transmission part around the hub and an elastic part arranged to mechanically link said hub to said transmission part whereby wherein

in a first state of said elastic part, said hub and said transmission part are able to rotate about a same rotation axis within the wheel, while

said elastic part is adapted to undergo a deformation within the wheel to turn from said first state to a second state in which the rotation axis of said transmission part within the wheel is shifted with respect to that of said hub within the wheel.

Claim 12 (Previously Presented) The wheel of claim 11, wherein said elastic part is comprised of elastic foam.

Claim 13 (Previously Presented) The wheel of claim 11, wherein said transmission part comprises a toothed member.

Claim 14 (Previously Presented) The wheel of claim 11, wherein said transmission part is star-shaped.

Claim 15 (Previously Presented) The wheel of claim 11, wherein said transmission part is arranged to create one of a friction bearing or drive.

Claim 16 (Previously Presented) The wheel of claim 11, wherein said elastic part comprises elastic plates linking said hub to said transmission part.

Claim 17 (Previously Presented) The wheel of claim 16, wherein said transmission part is star-shaped.

Claim 18 (Currently Amended) A mechanical system comprising a first wheel having a hub, a peripheral transmission part around the hub and an elastic part arranged to mechanically link said hub to said transmission part, the mechanical system further comprising one of a movable bridge or bar arranged so as to be able to be applied against said transmission part to bring the transmission part into contact with a second wheel configured and positioned to be driven through deformation of said elastic part by which said transmission part rotation axis within the first wheel is shifted with respect to the rotation axis within the first wheel of said hub.

Claim 19 (Previously Presented) The mechanical system of claim 18, wherein the mechanical system comprises part of a clutch.

Claim 20 (Currently Amended) A mechanical system comprising a jumping wheel including a hub, a peripheral transmission part around the hub and comprising teeth, and an elastic part arranged to mechanically link said hub to said transmission part, the mechanical system further comprising one of a standing bridge or counterbore against which said teeth are configured to abut, with a rotational jump of said wheel occurring through deformation of said elastic part for allowing one of said teeth to pass by said bridge or counterbore by shifting said transmission part rotation axis within the jumping wheel with respect to that of said hub within the jumping wheel.

Claim 21 (Previously Presented) The mechanical system of claim 20, wherein said jumping wheel is star-shaped.